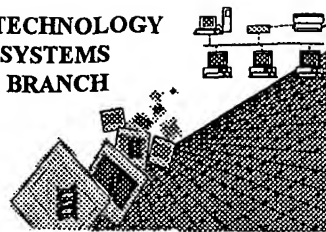


BIOTECHNOLOGY
SYSTEMS
BRANCH



0590
03/3

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/076,674
Source: OPE
Date Processed by STIC: 03/04/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

OIPE

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/076,674

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ✓ Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001



**Does Not Comply
Corrected Diskette Needed**

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/076,674

DATE: 03/04/2002

TIME: 14:59:39

Input Set : A:\1151-4172.ST25.txt

Output Set: N:\CRF3\03042002\J076674.raw

3 <110> APPLICANT: Sokoll, Kenneth K.
 5 <120> TITLE OF INVENTION: Stabilized Synthetic Immunogen Delivery System
 7 <130> FILE REFERENCE: Immunogen Delivery System
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/076,674
 C--> 9 <141> CURRENT FILING DATE: 2002-02-14
 9 <160> NUMBER OF SEQ ID NOS: 11
 11 <170> SOFTWARE: PatentIn version 3.1
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 32
 15 <212> TYPE: DNA
 16 <213> ORGANISM: Artificial Sequence
 18 <220> FEATURE:
 19 <223> OTHER INFORMATION: synthetic oligonucleotide
 21 <400> SEQUENCE: 1
 22 tcgtcggtttt gtcgttttgt cgttttgcg tt 32
 25 <210> SEQ ID NO: 2
 26 <211> LENGTH: 25
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: synthetic oligonucleotide
 33 <220> FEATURE:
 34 <221> NAME/KEY: misc_feature
 35 <222> LOCATION: (1)..(1)
 36 <223> OTHER INFORMATION: n indicates phosphorothioate group
 39 <400> SEQUENCE: 2
 W--> 40 ntcgtcggttt tgcgttttgcg tt 25
 43 <210> SEQ ID NO: 3
 44 <211> LENGTH: 24
 45 <212> TYPE: DNA
 46 <213> ORGANISM: Artificial Sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: synthetic oligonucleotide
 51 <400> SEQUENCE: 3
 52 tcgtcggtttt gtcgttttgcg tt 24
 55 <210> SEQ ID NO: 4
 56 <211> LENGTH: 50
 57 <212> TYPE: PRT
 58 <213> ORGANISM: Human
 60 <220> FEATURE:
 61 <221> NAME/KEY: misc_feature
 62 <222> LOCATION: (20)..(20)
 63 <223> OTHER INFORMATION: Xaa indicates epsilon-Lys

*See error summary sheet item 13
 → n can only represent a
 single nucleotide*

RAW SEQUENCE LISTING

DATE: 03/04/2002

PATENT APPLICATION: US/10/076,674

TIME: 14:59:40

Input Set : A:\1151-4172.ST25.txt

Output Set: N:\CRF3\03042002\J076674.raw

```

66 <400> SEQUENCE: 4
68 Ile Ser Ile Thr Glu Ile Lys Gly Val Ile Val His Arg Ile Glu Thr
69 1 5 10 15
W--> 72 Ile Leu Phe Xaa Cys Asn Gln Gly Ser Phe Leu Thr Lys Gly Pro Ser
73 20 25 30
76 Lys Leu Asn Asp Arg Ala Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly
77 35 40 45
80 Asn Cys
81 50
84 <210> SEQ ID NO: 5
85 <211> LENGTH: 50
86 <212> TYPE: PRT
87 <213> ORGANISM: Human
89 <220> FEATURE:
90 <221> NAME/KEY: misc_feature
91 <222> LOCATION: (20)..(20)
92 <223> OTHER INFORMATION: Xaa indicates epsilon-Lys
95 <400> SEQUENCE: 5
97 Lys Lys Lys Thr Asp Arg Val Ile Glu Val Leu Gln Arg Ala Gly Arg
98 1 5 10 15
W--> 101 Ala Ile Leu Xaa Cys Asn Gln Gly Ser Phe Leu Thr Lys Gly Pro Ser
102 20 25 30
105 Lys Leu Asn Asp Arg Ala Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly
106 35 40 45
109 Asn Cys
110 50
113 <210> SEQ ID NO: 6
114 <211> LENGTH: 31
115 <212> TYPE: PRT
116 <213> ORGANISM: Human
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (20)..(20)
121 <223> OTHER INFORMATION: Xaa indicates epsilon-Lys
124 <400> SEQUENCE: 6
126 Ile Ser Ile Thr Glu Ile Lys Gly Val Ile Val His Arg Ile Glu Thr
127 1 5 10 15
W--> 130 Ile Leu Phe Xaa Cys His Ala Ser Ile Tyr Asp Phe Gly Ser Cys
131 20 25 30
134 <210> SEQ ID NO: 7
135 <211> LENGTH: 27
136 <212> TYPE: PRT
137 <213> ORGANISM: Human
139 <400> SEQUENCE: 7
141 Lys Lys Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
142 1 5 10 15
145 Leu Glu His Trp Ser Tyr Gly Leu Arg Pro Gly
146 20 25
149 <210> SEQ ID NO: 8

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/076,674

DATE: 03/04/2002

TIME: 14:59:40

Input Set : A:\1151-4172.ST25.txt

Output Set: N:\CRF3\03042002\J076674.raw

```

150 <211> LENGTH: 45
151 <212> TYPE: PRT
152 <213> ORGANISM: Human
154 <400> SEQUENCE: 8
156 Thr Ala Lys Ser Lys Lys Phe Pro Ser Tyr Thr Ala Thr Tyr Gln Phe
157 1          5          10          15
160 Gly Gly Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Pro Gln Ser Leu
161          20          25          30
164 Glu Gly Gly Glu His Trp Ser Tyr Gly Leu Arg Pro Gly
165          35          40          45
168 <210> SEQ ID NO: 9
169 <211> LENGTH: 45
170 <212> TYPE: PRT
171 <213> ORGANISM: Human
173 <400> SEQUENCE: 9
175 Thr Ala Lys Ser Lys Lys Phe Pro Ser Tyr Thr Ala Thr Tyr Gln Phe
176 1          5          10          15
179 Gly Gly Leu Ser Glu Ile Lys Gly Val Ile Val His Arg Leu Glu Gly
180          20          25          30
183 Val Gly Gly Glu His Trp Ser Tyr Gly Leu Arg Pro Gly
184          35          40          45
187 <210> SEQ ID NO: 10
188 <211> LENGTH: 44
189 <212> TYPE: PRT
190 <213> ORGANISM: Human
192 <220> FEATURE:
193 <221> NAME/KEY: misc_feature
194 <222> LOCATION: (19)..(19)
195 <223> OTHER INFORMATION: Xaa indicates epsilon-Lys
198 <400> SEQUENCE: 10
200 Lys Lys Lys Ile Ile Thr Ile Thr Arg Ile Ile Thr Ile Ile Thr Thr
201 1          5          10          15
W--> 204 Ile Asp Xaa Cys Gly Glu Thr Tyr Gln Ser Arg Val Thr His Pro His
205          20          25          30
208 Leu Pro Arg Ala Leu Met Arg Ser Thr Thr Lys Cys
209          35          40
212 <210> SEQ ID NO: 11
213 <211> LENGTH: 45
214 <212> TYPE: PRT
215 <213> ORGANISM: Human
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: (20)..(20)
220 <223> OTHER INFORMATION: Xaa indicates epsilon-Lys
223 <400> SEQUENCE: 11
225 Ile Ser Ile Thr Glu Ile Lys Gly Val Ile Val His Arg Ile Glu Thr
226 1          5          10          15
W--> 229 Ile Leu Phe Xaa Cys Gly Glu Thr Tyr Gln Ser Arg Val Thr His Pro
230          20          25          30

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/076,674

DATE: 03/04/2002

TIME: 14:59:40

Input Set : A:\1151-4172.ST25.txt

Output Set: N:\CRF3\03042002\J076674.raw

233	His	Leu	Pro	Arg	Ala	Leu	Met	Arg	Ser	Thr	Thr	Lys	Cys
234			35				40					45	

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/076,674

DATE: 03/04/2002

TIME: 14:59:41

Input Set : A:\1151-4172.ST25.txt

Output Set: N:\CRF3\03042002\J076674.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11